

FIG. 1

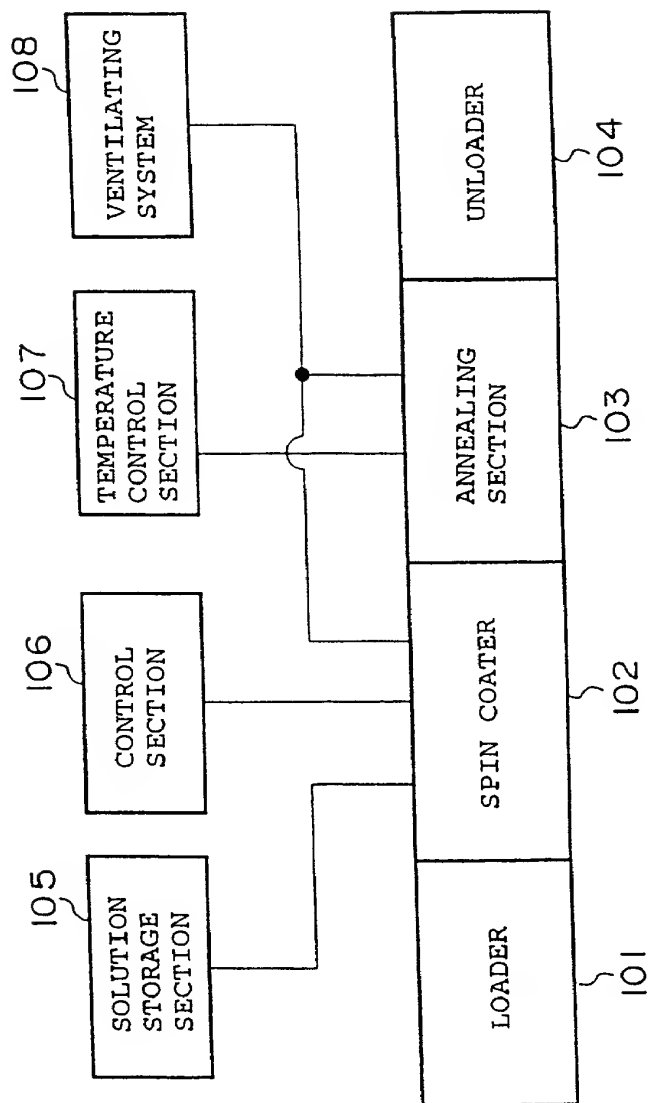


FIG. 2

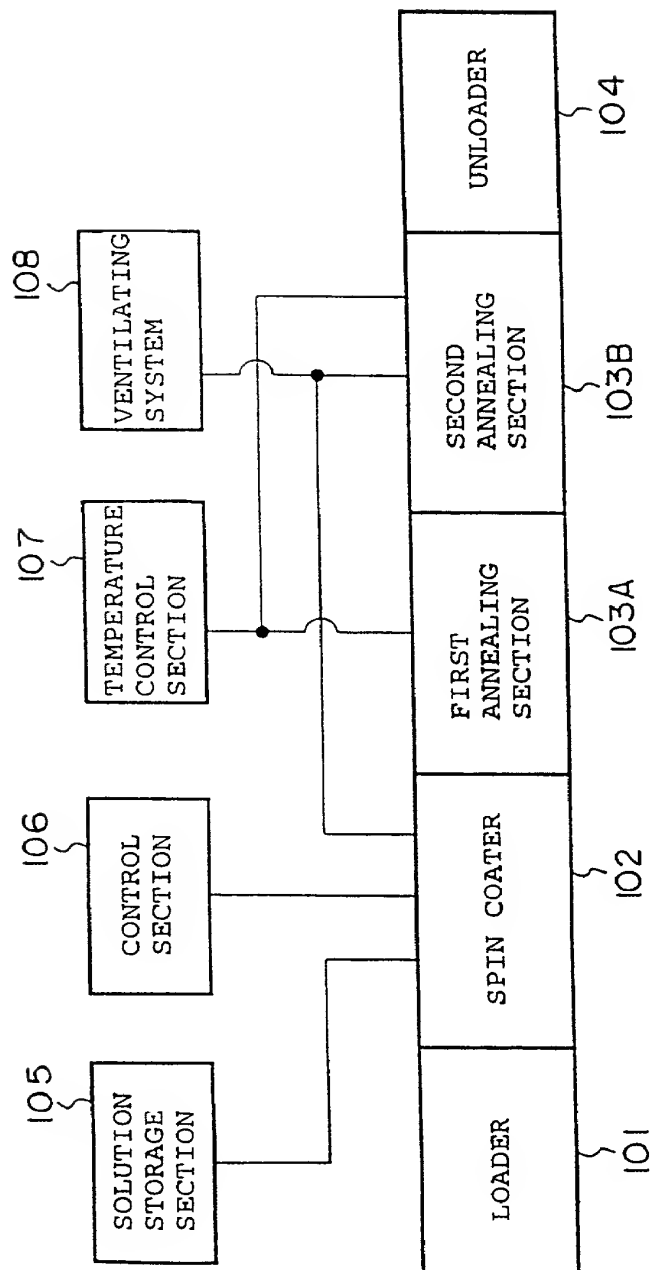
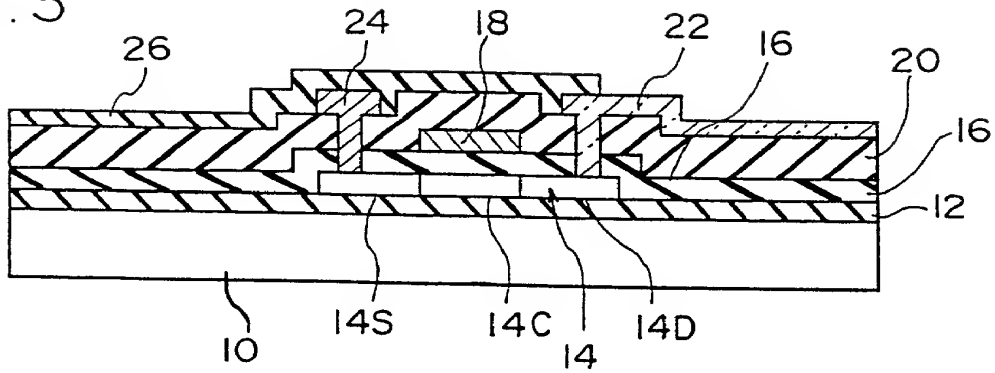
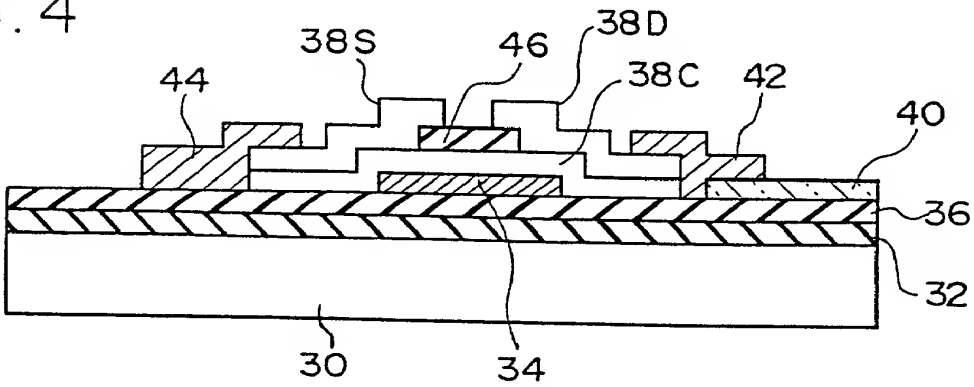


FIG. 3



-- PRIOR ART --

FIG. 4



-- PRIOR ART --

FIG. 3

FIG. 5

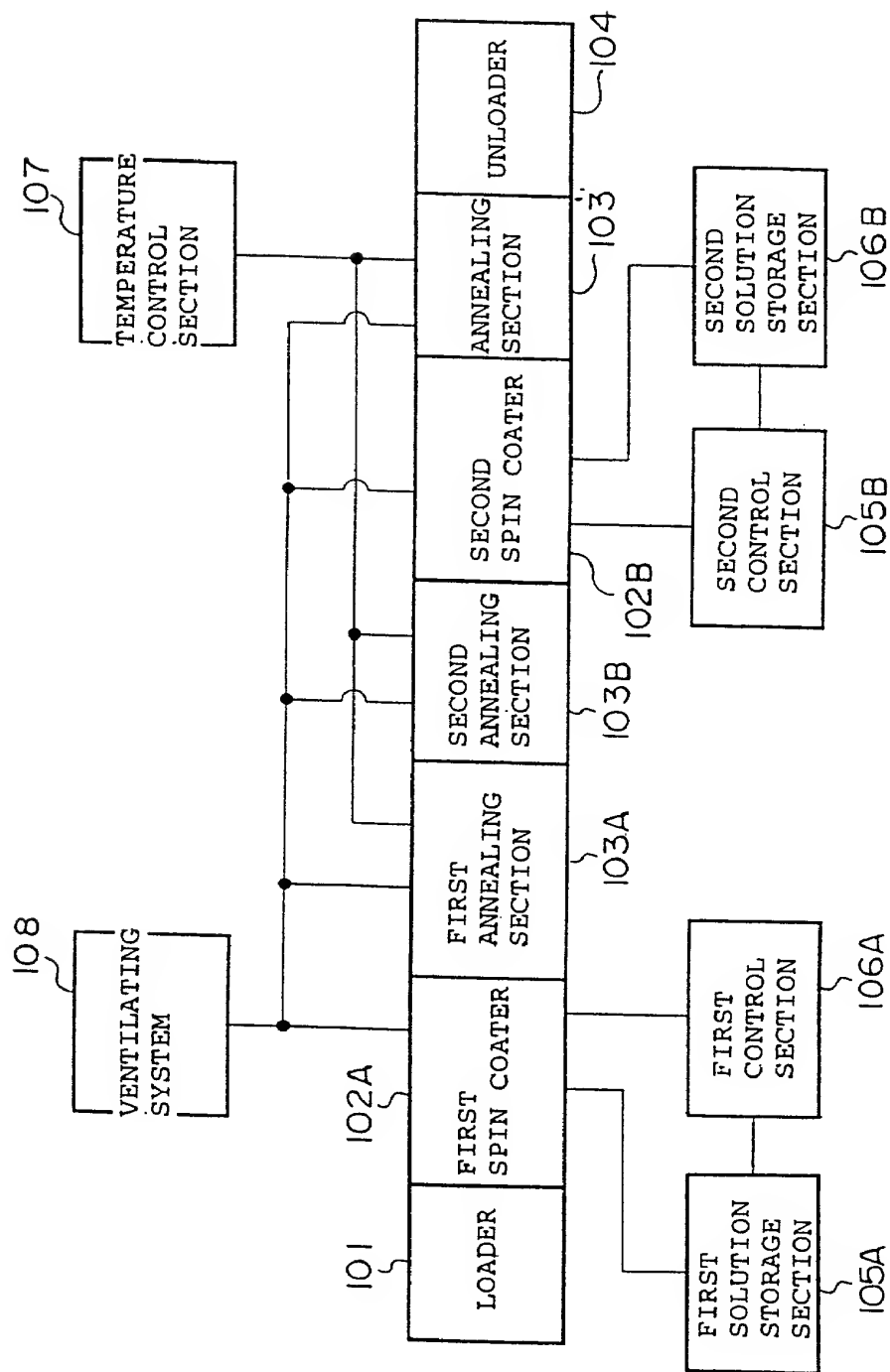


FIG. 6

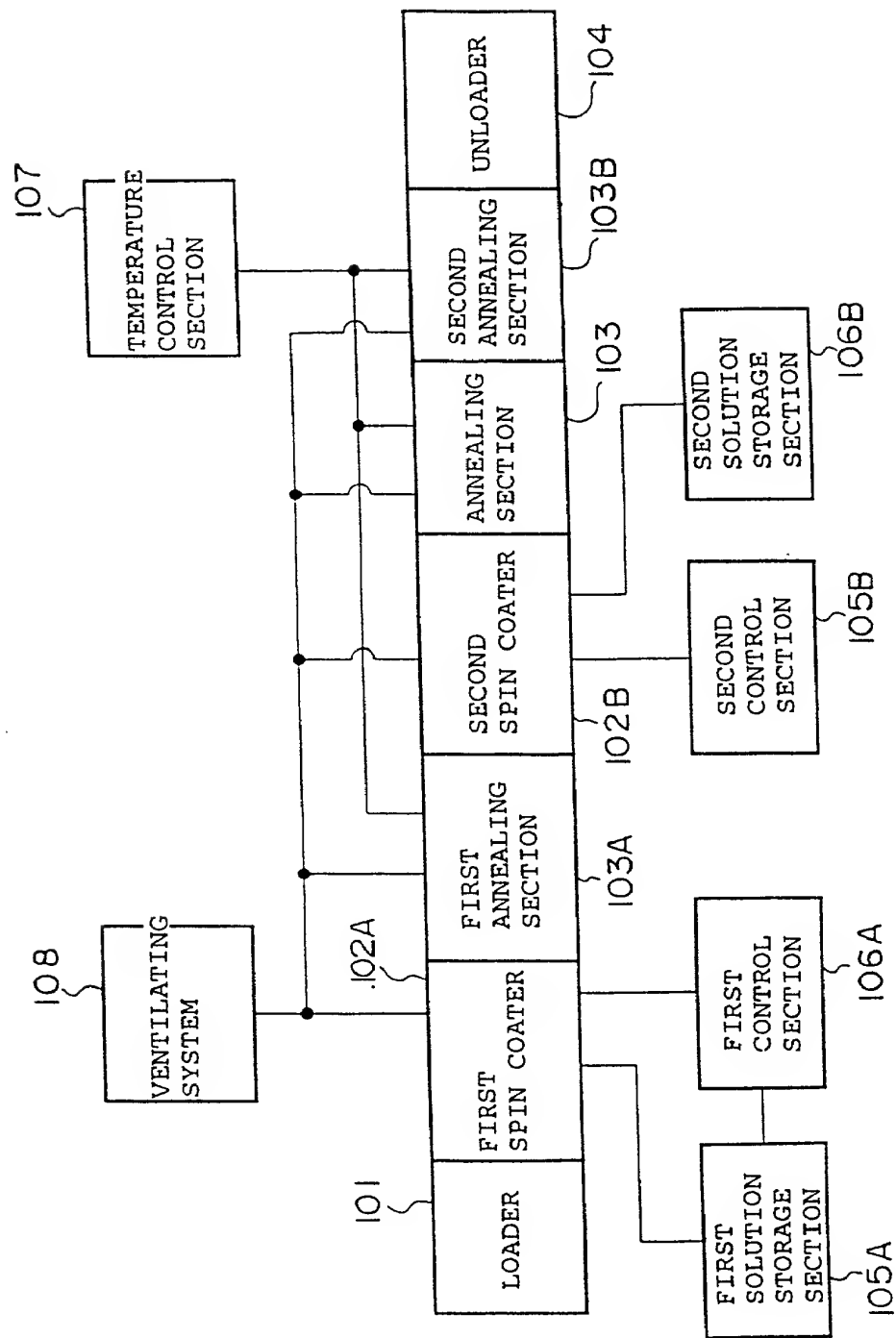


FIG. 7

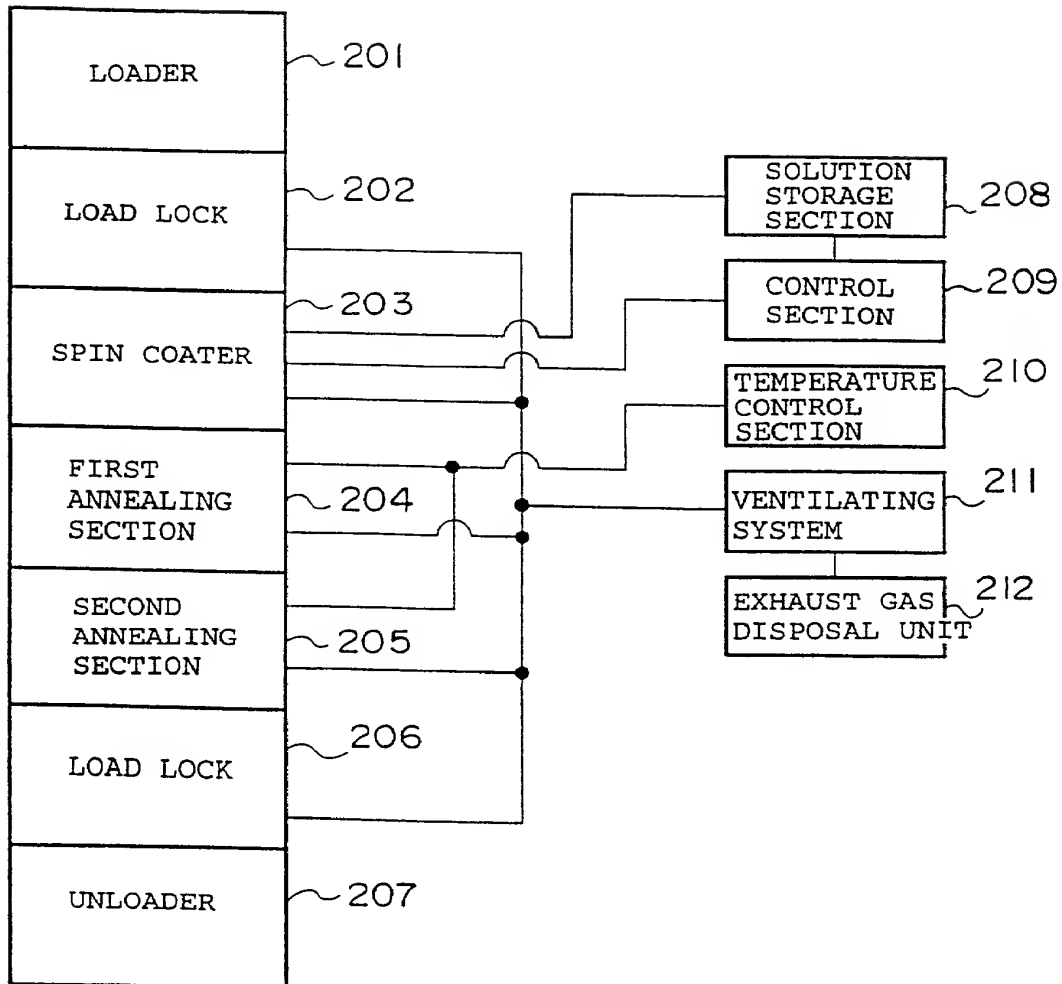


FIG. 8

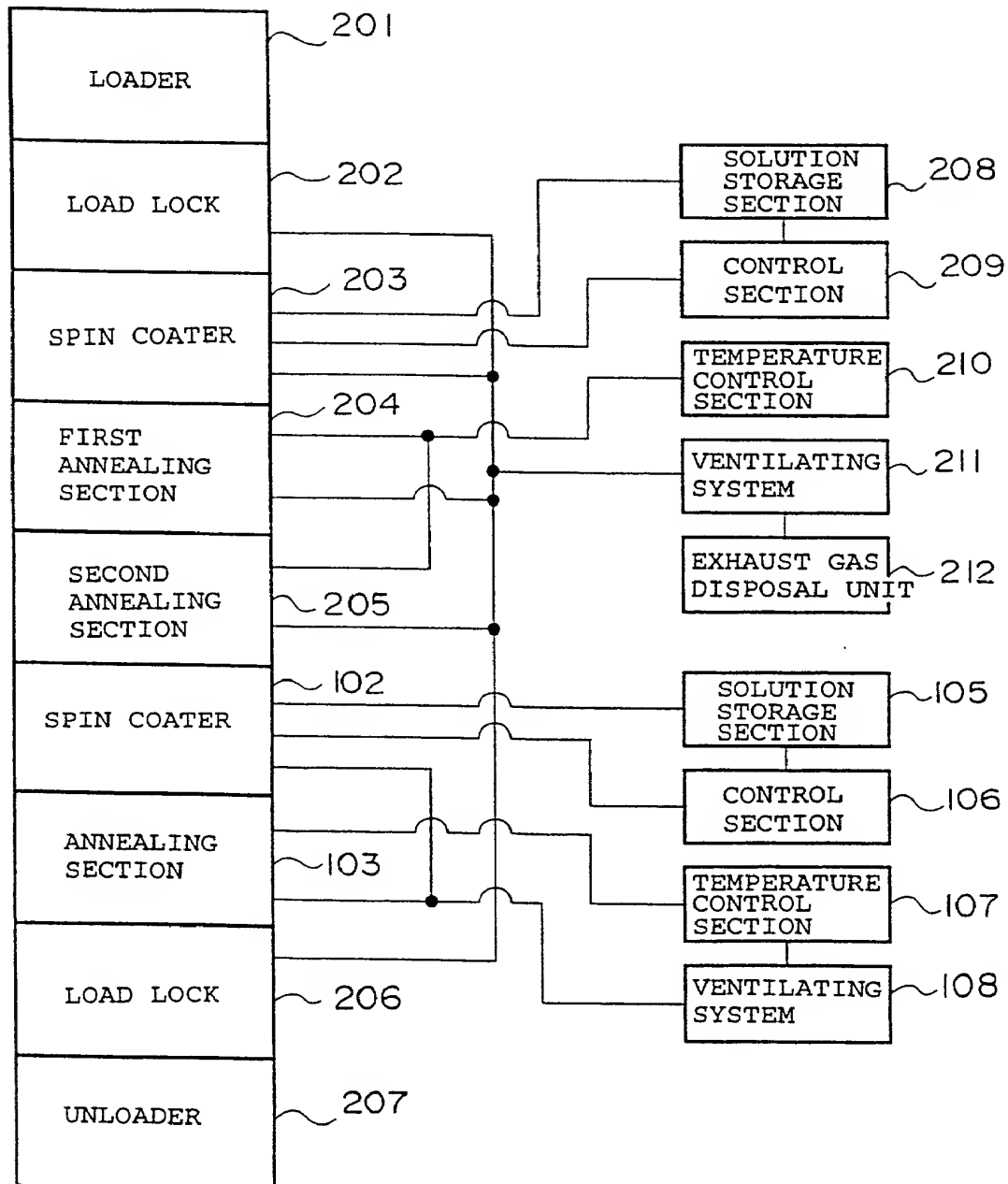


FIG. 9

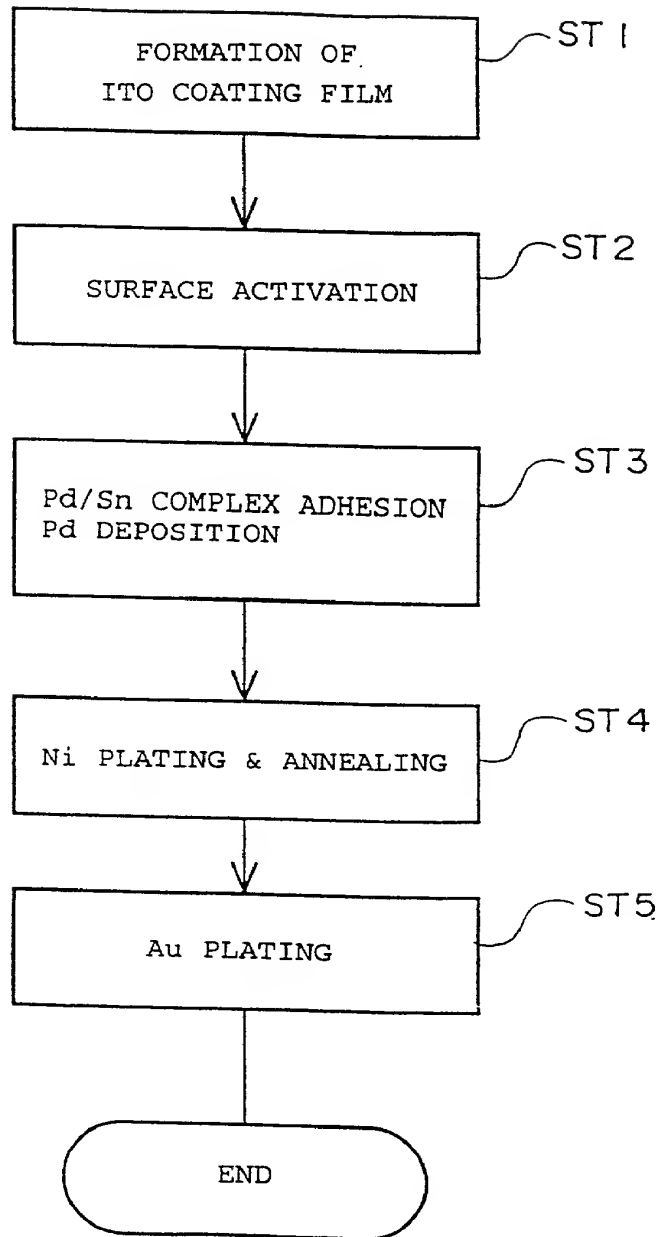


FIG. 10

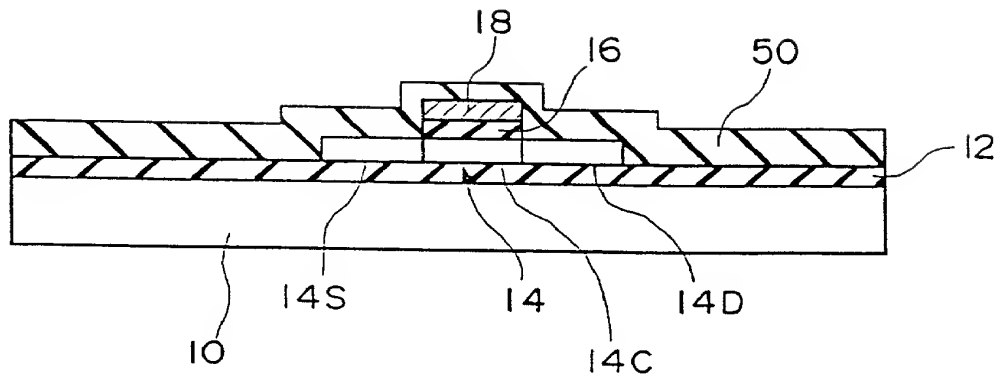


FIG.11

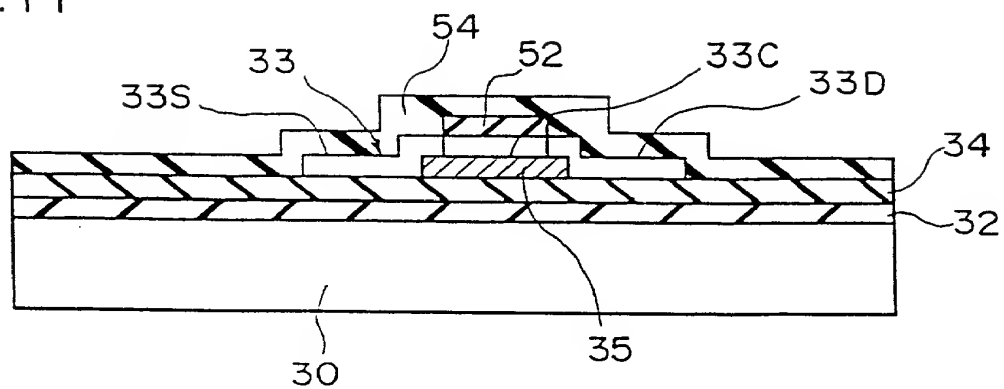


FIG.12

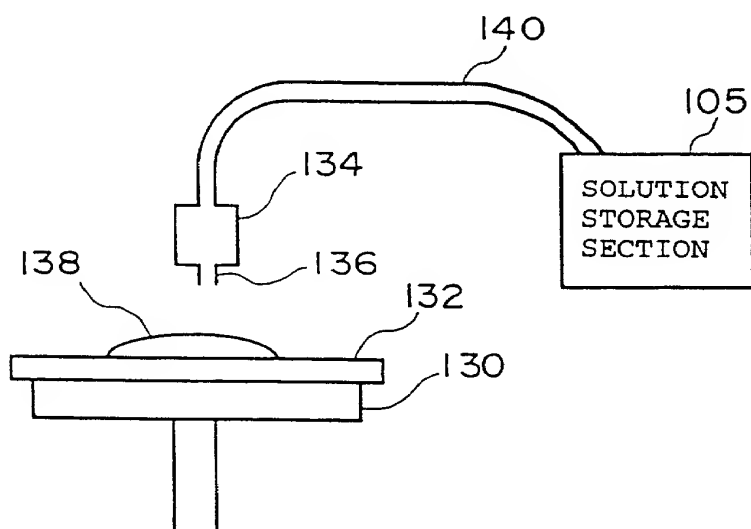


FIG.13

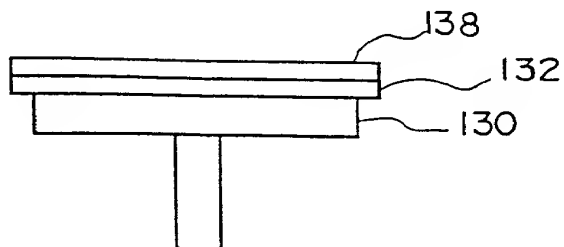


FIG. 14

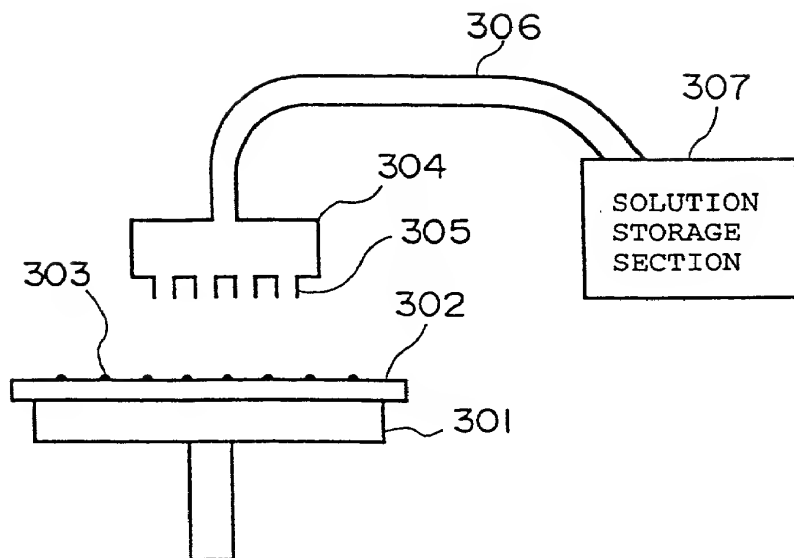


FIG. 15

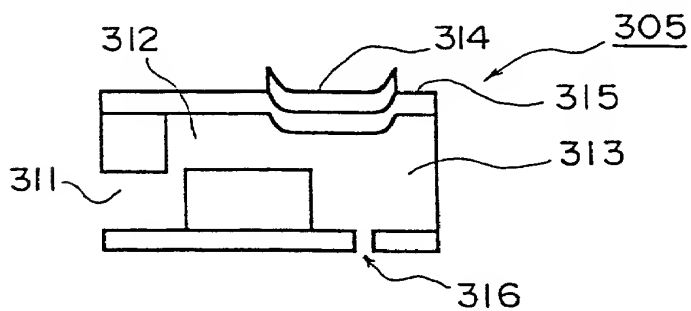


FIG. 16

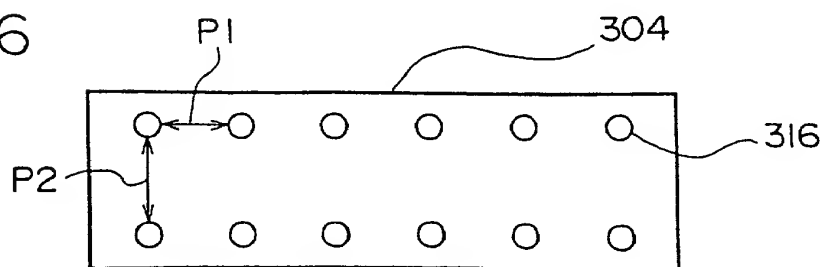


FIG. 17

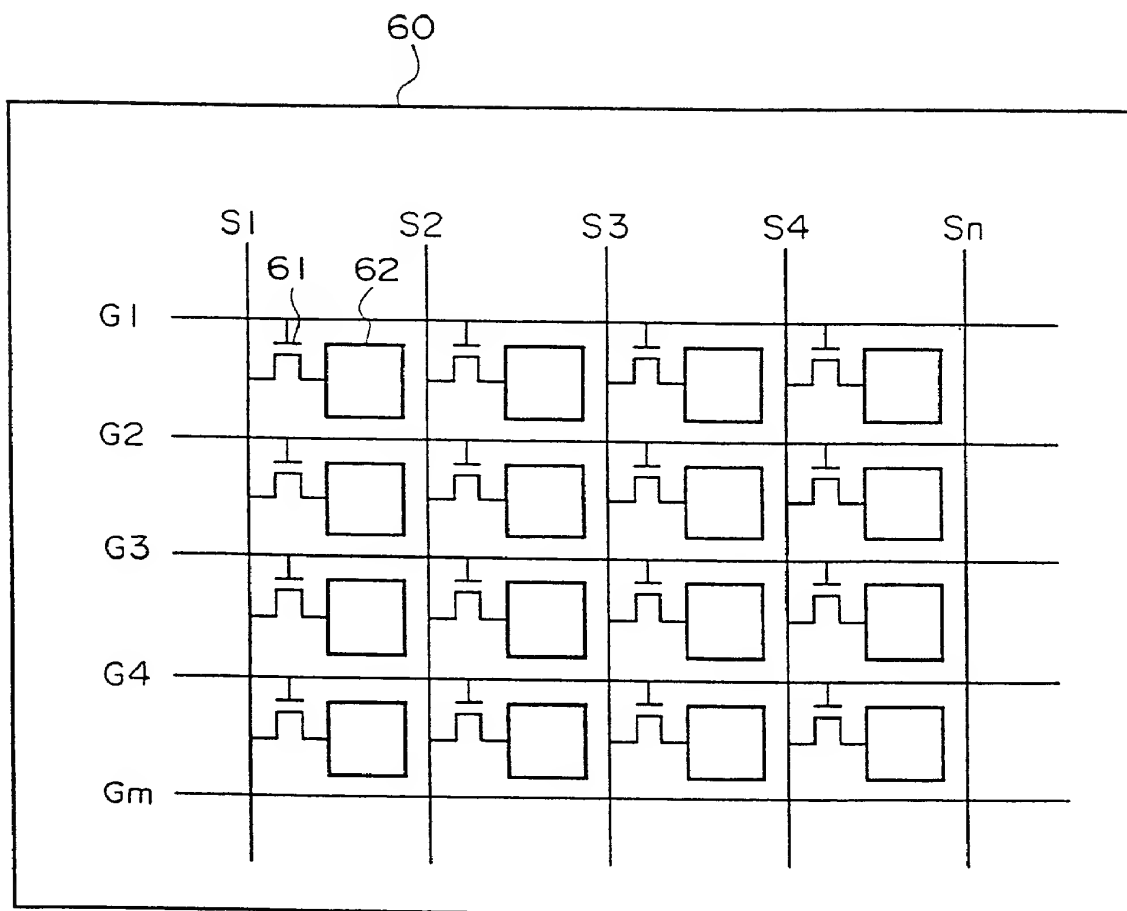


FIG. 18

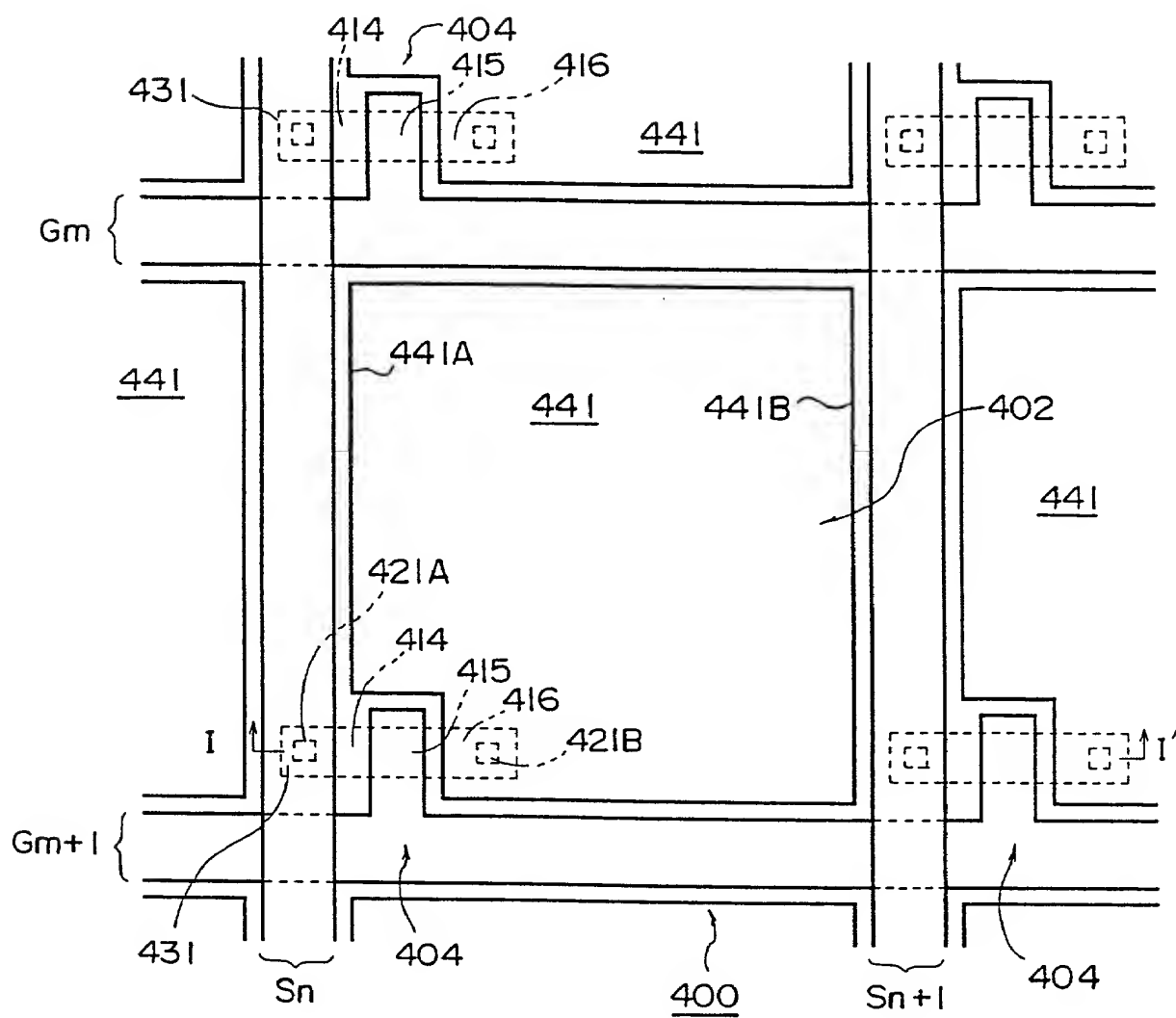
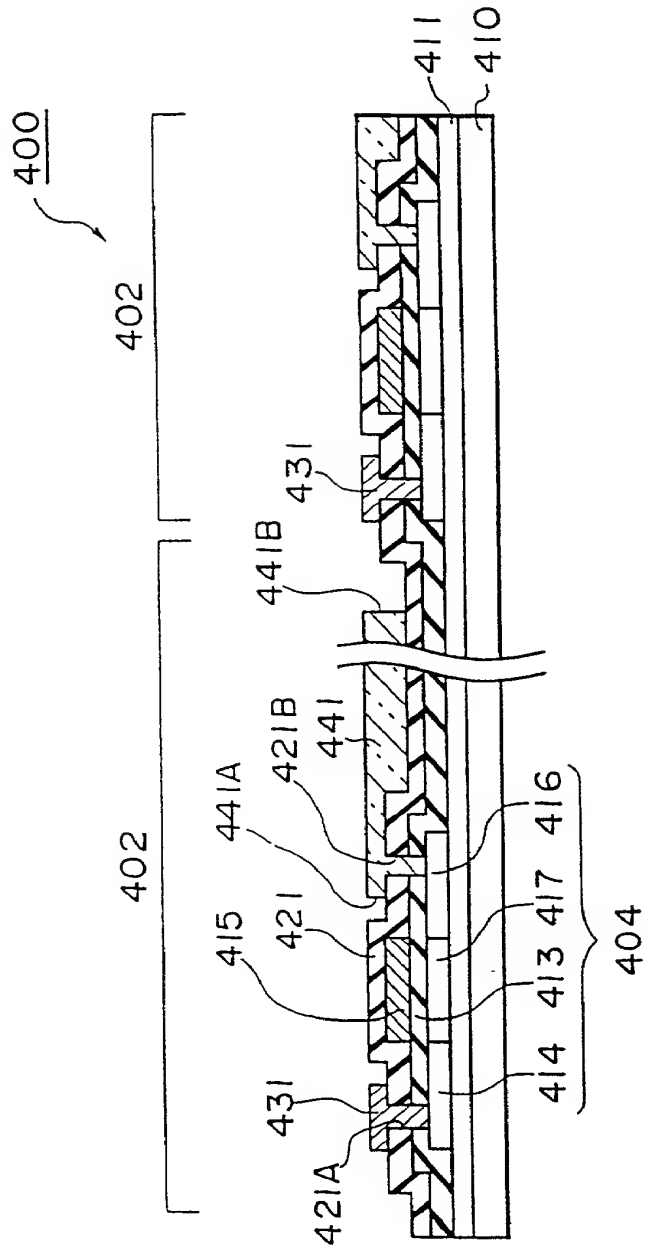


FIG. 19



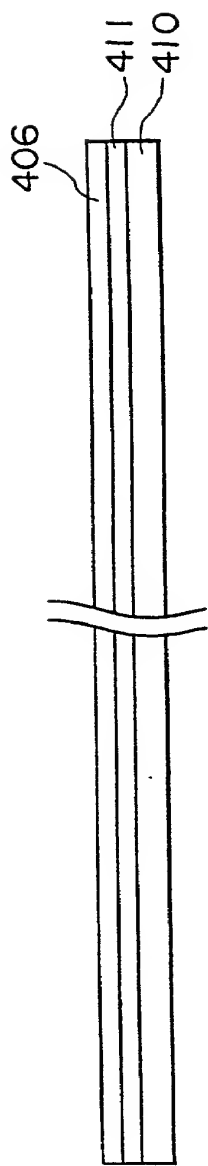


FIG. 20(A)

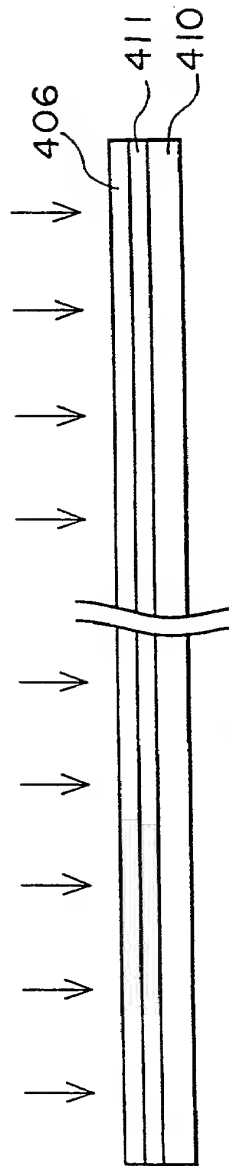


FIG. 20(B)

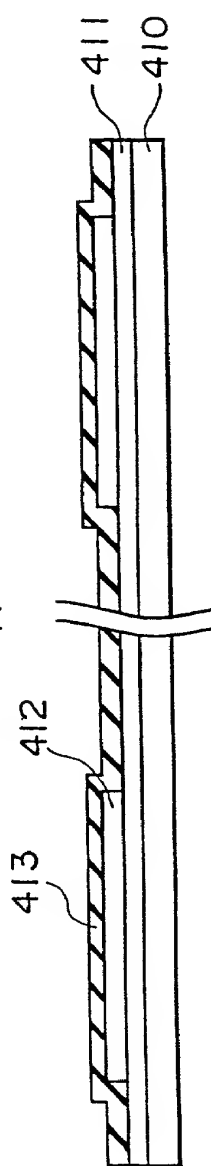


FIG. 20(C)

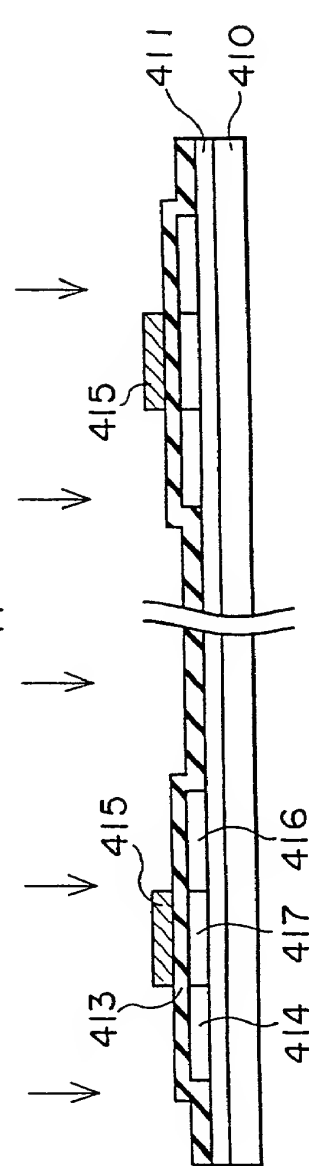


FIG. 20(D)

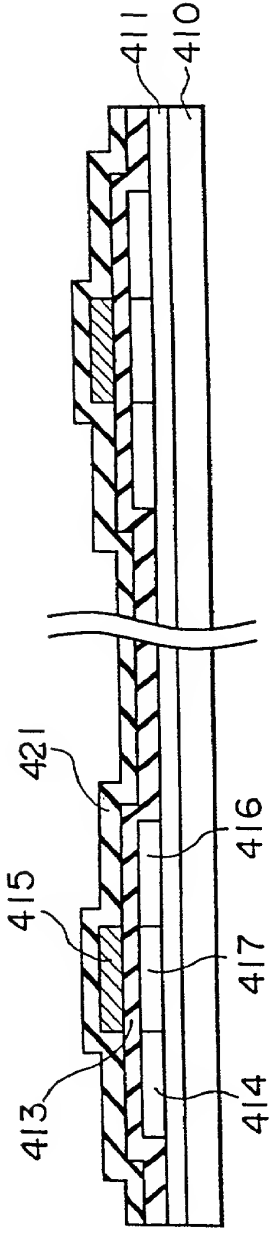


FIG. 21(A)

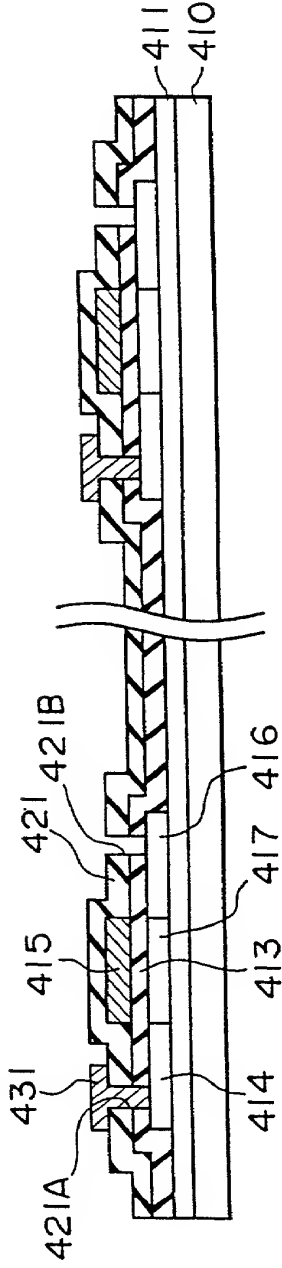


FIG. 21(B)

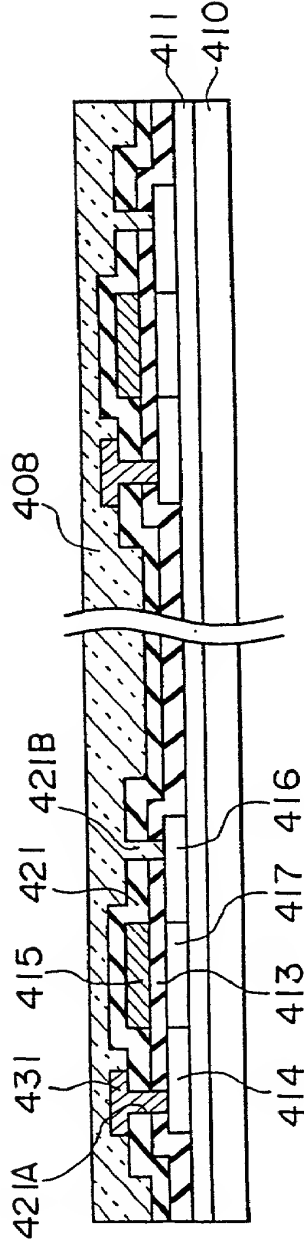


FIG. 21(C)

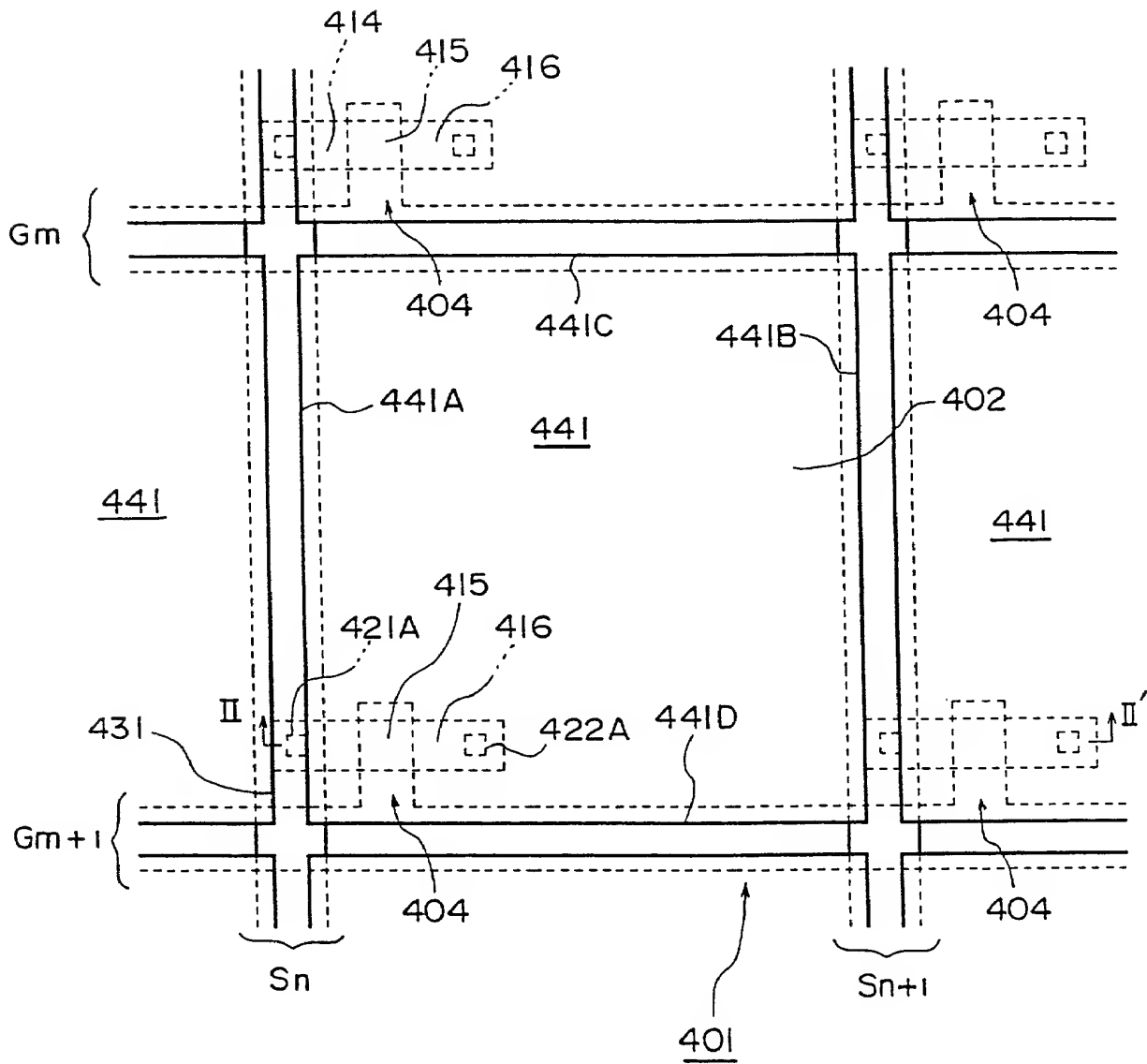
[illegible]

FIG. 23

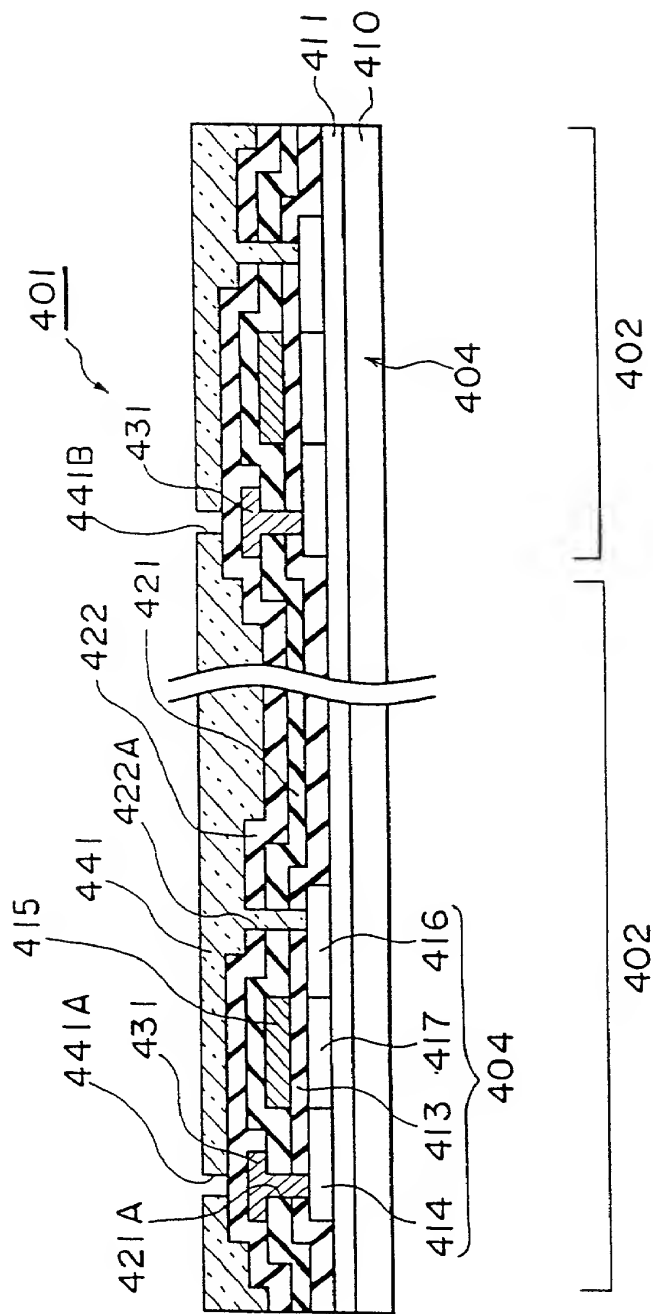


FIG.24(A)

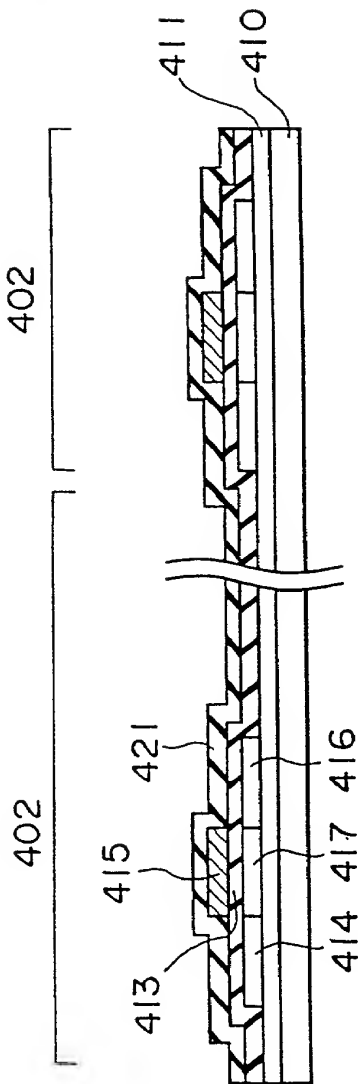


FIG.24(B)

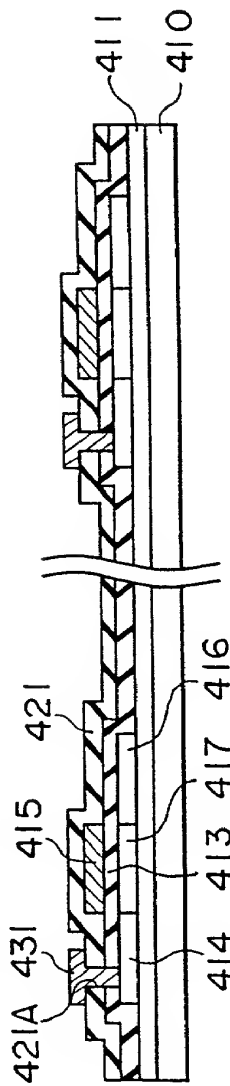


FIG.24(C)

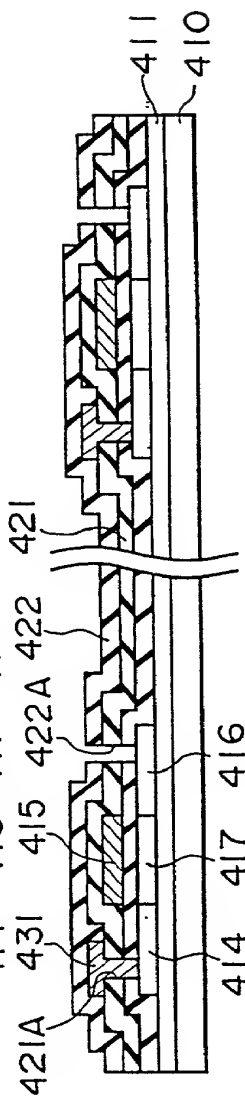


FIG.24(D)

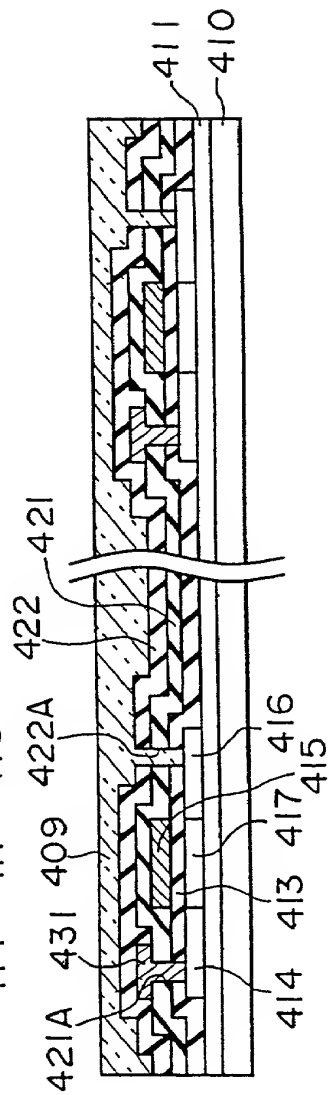


FIG.25(A)

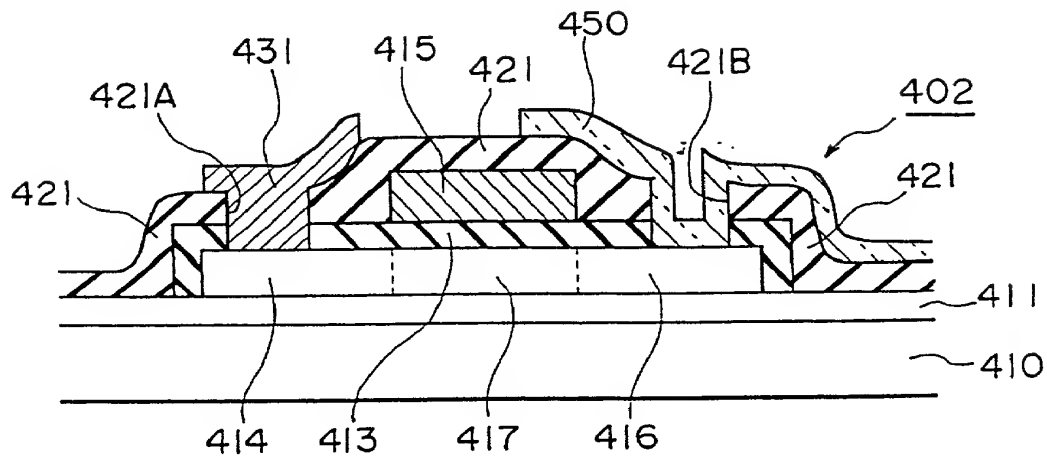


FIG.25(B)

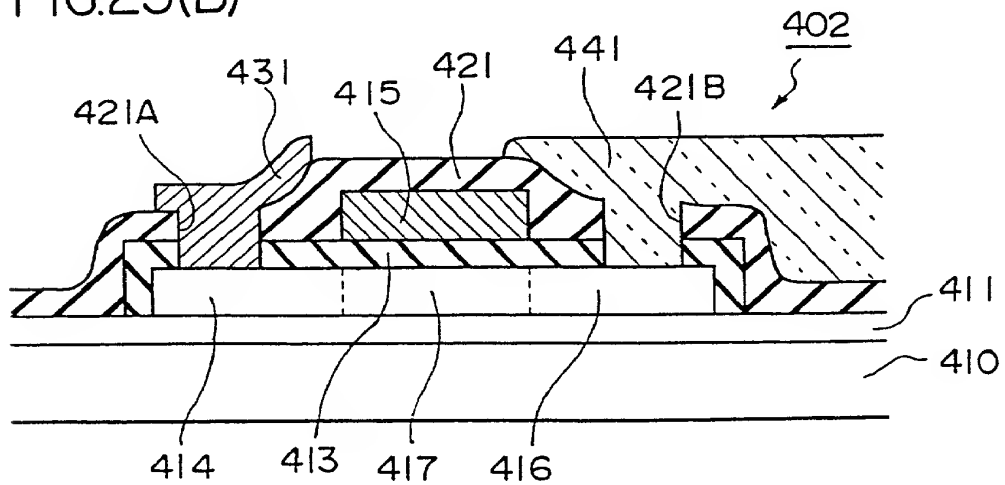


FIG. 26

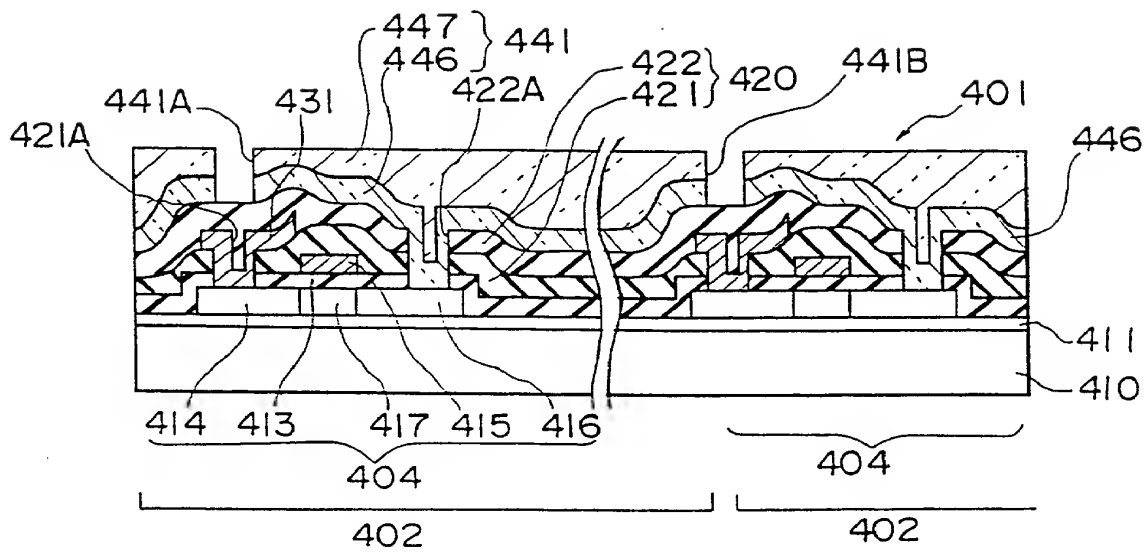


FIG. 26

FIG.27(A)

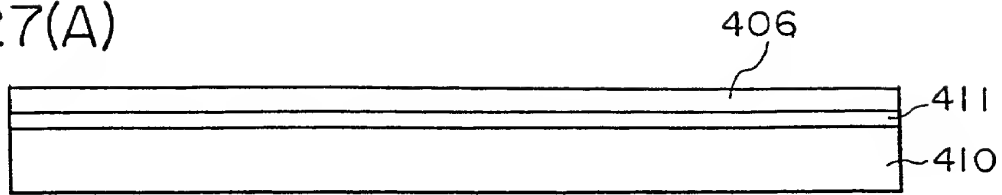


FIG.27(B)

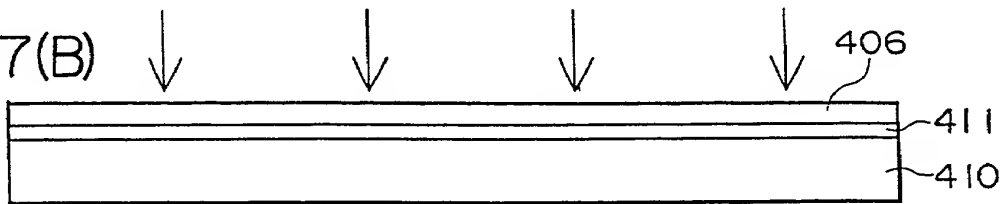


FIG.27(C)

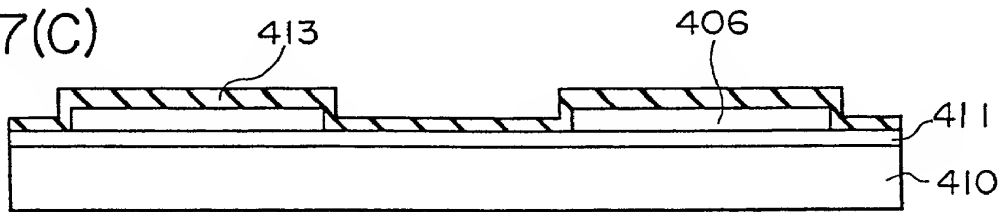


FIG.27(D)

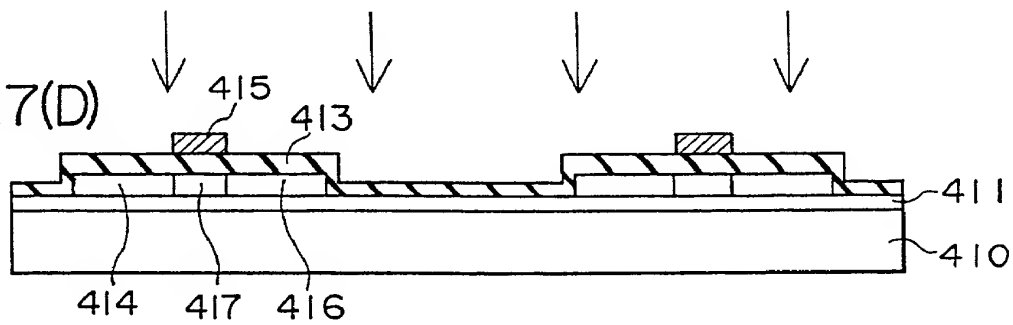
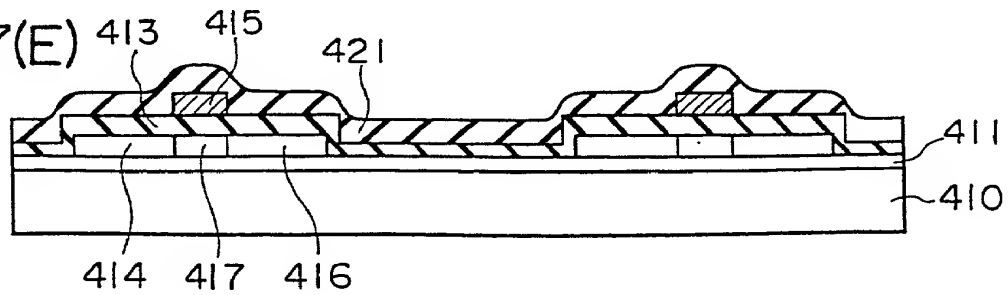
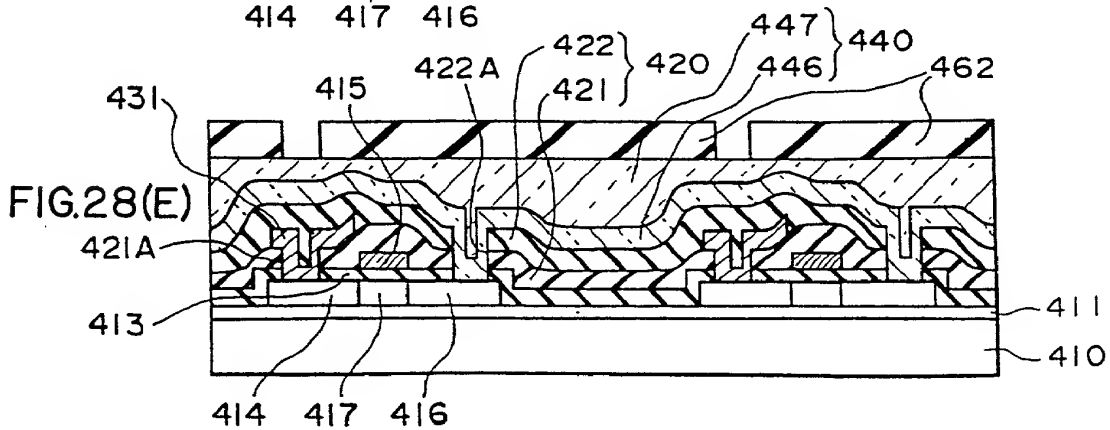
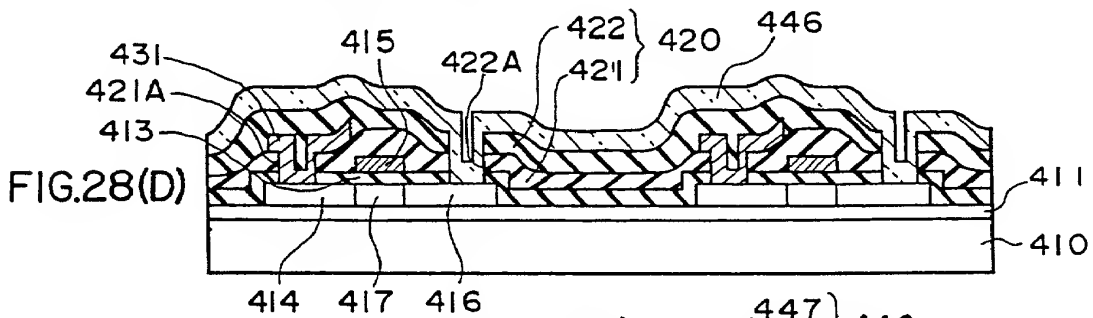
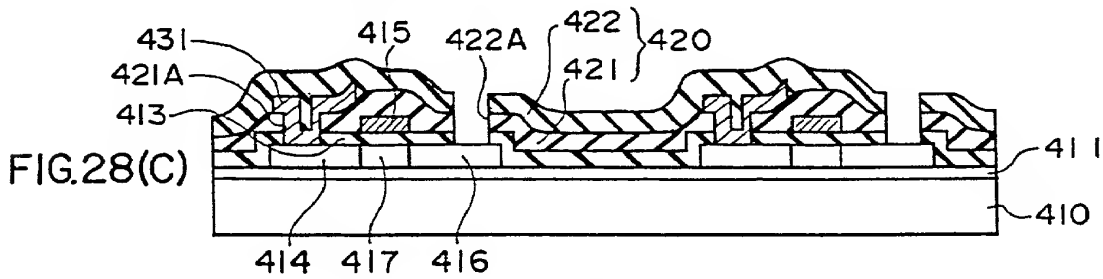
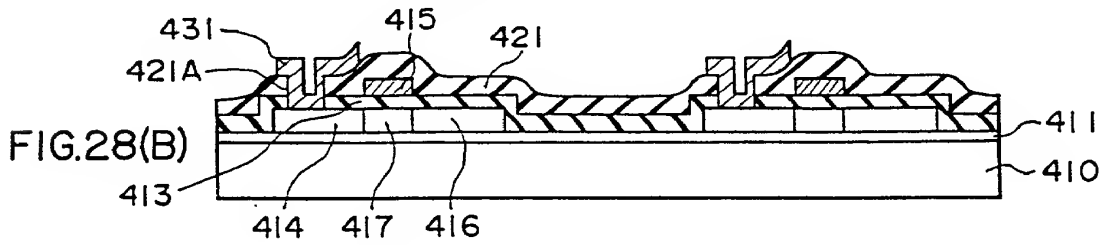
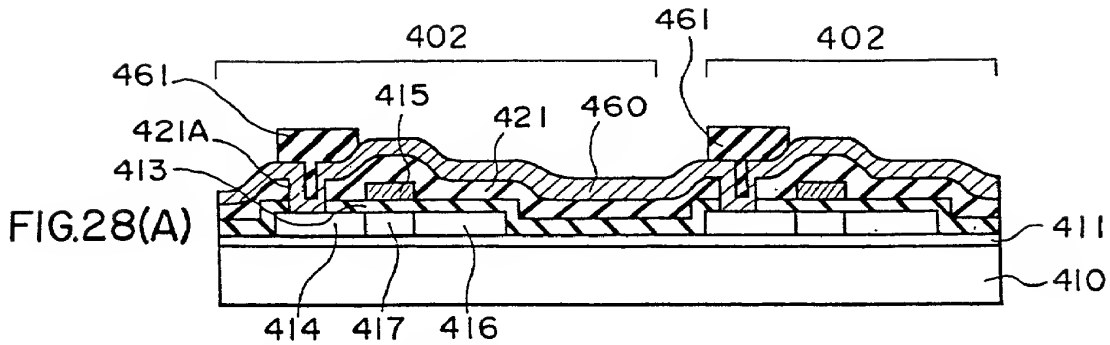


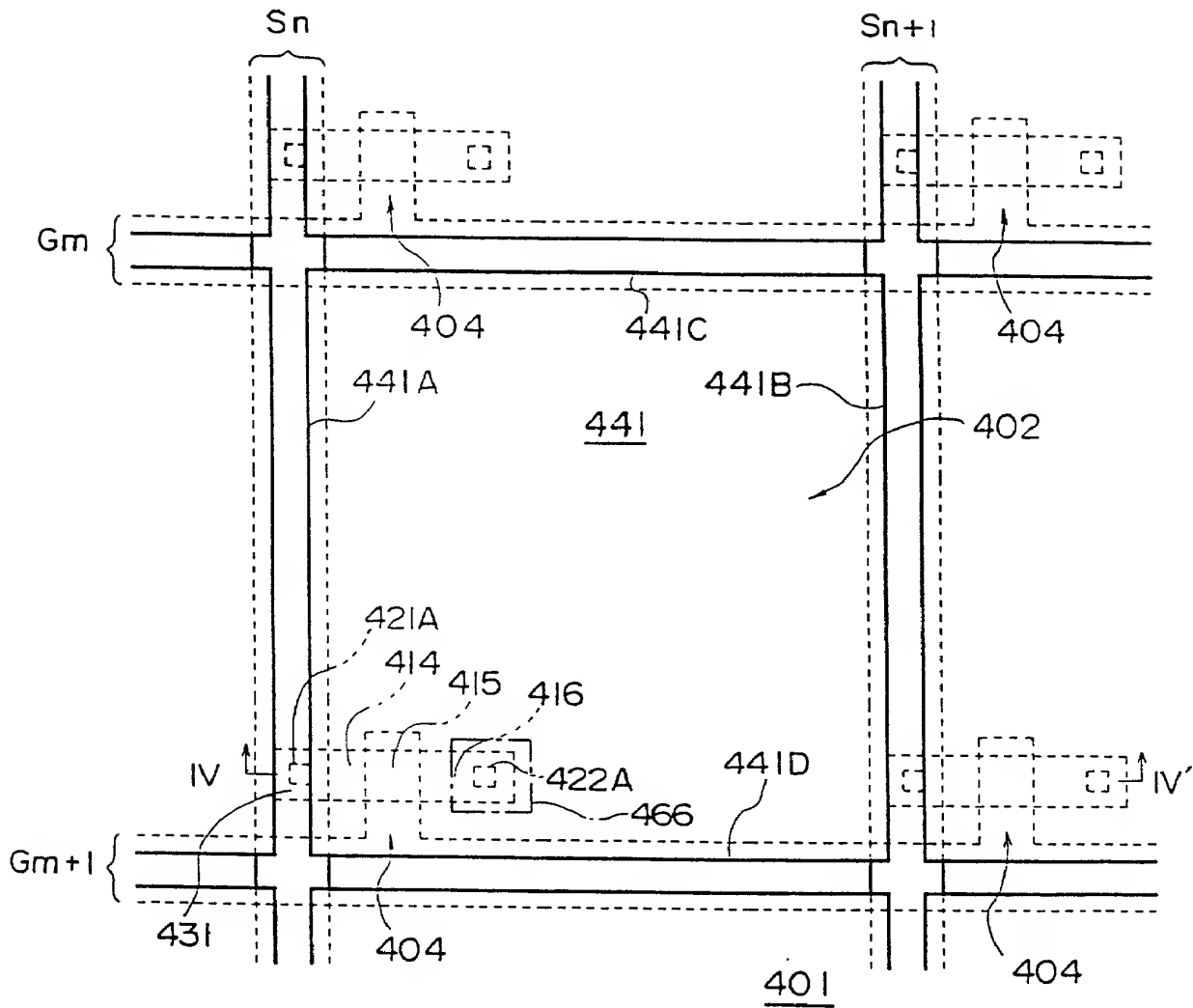
FIG.27(E)





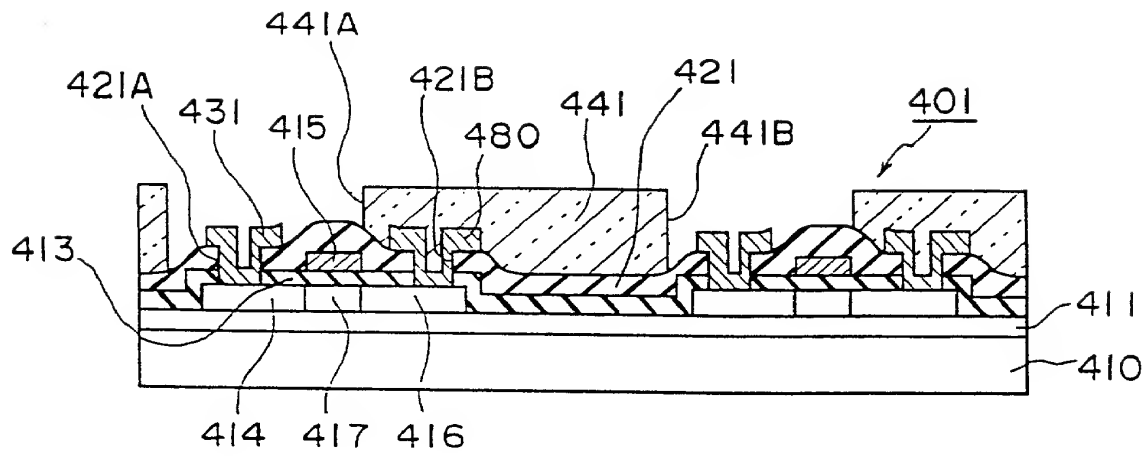
A cross-sectional view of a semiconductor device. The device consists of a substrate 410 with a thin layer 413 on top. Above this is a patterned layer 414. A layer 417 is located beneath the patterned layer 414. The top surface features a series of raised regions 402, each containing a central element 421. The raised regions are separated by recessed areas 415. The top surface is covered by a layer 460, which has a patterned top layer 461. The side walls of the raised regions are labeled 421A. The bottom of the raised regions is labeled 416.

FIG. 32

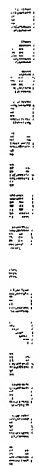


[illegible]

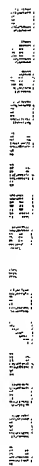
FIG. 36



Variable	Mean	Standard Deviation	Minimum	Maximum
Age	34.5	10.5	20	55
Gender	0.5	0.5	0	1
Marital Status	0.5	0.5	0	1
Education	12.5	1.5	10	15
Income	3500	1500	1000	7000
Health	0.5	0.5	0	1
Smoking	0.2	0.4	0	1
Alcohol	0.1	0.3	0	1
Exercise	0.3	0.5	0	1
Stress	0.4	0.5	0	1
Sleep	0.5	0.5	0	1
Work	0.5	0.5	0	1
Family	0.5	0.5	0	1
Friends	0.5	0.5	0	1
Community	0.5	0.5	0	1
Religion	0.5	0.5	0	1
Politics	0.5	0.5	0	1
Art	0.5	0.5	0	1
Music	0.5	0.5	0	1
Reading	0.5	0.5	0	1
Travel	0.5	0.5	0	1
Volunteering	0.5	0.5	0	1
Charitable	0.5	0.5	0	1
Philanthropy	0.5	0.5	0	1
Environment	0.5	0.5	0	1
Animals	0.5	0.5	0	1
Gardening	0.5	0.5	0	1
Fishing	0.5	0.5	0	1
Hiking	0.5	0.5	0	1
Cycling	0.5	0.5	0	1
Swimming	0.5	0.5	0	1
Boating	0.5	0.5	0	1
Shopping	0.5	0.5	0	1
Eating	0.5	0.5	0	1
Drinking	0.5	0.5	0	1
Smoking	0.5	0.5	0	1
Alcohol	0.5	0.5	0	1
Exercise	0.5	0.5	0	1
Stress	0.5	0.5	0	1
Sleep	0.5	0.5	0	1
Work	0.5	0.5	0	1
Family	0.5	0.5	0	1
Friends	0.5	0.5	0	1
Community	0.5	0.5	0	1
Religion	0.5	0.5	0	1
Politics	0.5	0.5	0	1
Art	0.5	0.5	0	1
Music	0.5	0.5	0	1
Reading	0.5	0.5	0	1
Travel	0.5	0.5	0	1
Volunteering	0.5	0.5	0	1
Charitable	0.5	0.5	0	1
Philanthropy	0.5	0.5	0	1
Environment	0.5	0.5	0	1
Animals	0.5	0.5	0	1
Gardening	0.5	0.5	0	1
Fishing	0.5	0.5	0	1
Hiking	0.5	0.5	0	1
Cycling	0.5	0.5	0	1
Swimming	0.5	0.5	0	1
Boating	0.5	0.5	0	1
Shopping	0.5	0.5	0	1
Eating	0.5	0.5	0	1
Drinking	0.5	0.5	0	1
Smoking	0.5	0.5	0	1
Alcohol	0.5	0.5	0	1
Exercise	0.5	0.5	0	1
Stress	0.5	0.5	0	1
Sleep	0.5	0.5	0	1
Work	0.5	0.5	0	1
Family	0.5	0.5	0	1
Friends	0.5	0.5	0	1
Community	0.5	0.5	0	1
Religion	0.5	0.5	0	1
Politics	0.5	0.5	0	1
Art	0.5	0.5	0	1
Music	0.5	0.5	0	1
Reading	0.5	0.5	0	1
Travel	0.5	0.5	0	1
Volunteering	0.5	0.5	0	1
Charitable	0.5	0.5	0	1
Philanthropy	0.5	0.5	0	1
Environment	0.5	0.5	0	1
Animals	0.5	0.5	0	1
Gardening	0.5	0.5	0	1
Fishing	0.5	0.5	0	1
Hiking	0.5	0.5		



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Stress	0.4	0.5	0	1
Sleep	0.5	0.5	0	1
Work	0.5	0.5	0	1
Family	0.5	0.5	0	1
Friends	0.5	0.5	0	1
Community	0.5	0.5	0	1
Religion	0.5	0.5	0	1
Politics	0.5	0.5	0	1
Art	0.5	0.5	0	1
Music	0.5	0.5	0	1
Reading	0.5	0.5	0	1
Travel	0.5	0.5	0	1
Volunteering	0.5	0.5	0	1
Charitable	0.5	0.5	0	1
Philanthropy	0.5	0.5	0	1
Environment	0.5	0.5	0	1
Animals	0.5	0.5	0	1
Gardening	0.5	0.5	0	1
Fishing	0.5	0.5	0	1
Hiking	0.5	0.5	0	1
Cycling	0.5	0.5	0	1
Swimming	0.5	0.5	0	1
Boating	0.5	0.5	0	1
Shopping	0.5	0.5	0	1
Eating	0.5	0.5	0	1
Drinking	0.5	0.5	0	1
Smoking	0.5	0.5	0	1
Alcohol	0.5	0.5	0	1
Exercise	0.5	0.5	0	1
Stress	0.5	0.5	0	1
Sleep	0.5	0.5	0	1
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Family	0.5	0.5	0	1
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Religion	0.5	0.5	0	1
Politics	0.5	0.5	0	1
Art	0.5	0.5	0	1
Music	0.5	0.5	0	1
Reading	0.5	0.5	0	1
Travel	0.5	0.5	0	1
Volunteering	0.5	0.5	0	1
Charitable	0.5	0.5	0	1
Philanthropy	0.5	0.5	0	1
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Cycling	0.5	0.5	0	1
Swimming	0.5	0.5	0	1
Boating	0.5	0.5	0	1
Shopping	0.5	0.5	0	1
Eating	0.5	0.5	0	1
Drinking	0.5	0.5	0	1
Smoking	0.5	0.5	0	1
Alcohol	0.5	0.5	0	1
Exercise	0.5	0.5	0	1
Stress	0.5	0.5	0	1
Sleep	0.5	0.5	0	1
Work	0.5	0.5	0	1
Family	0.5	0.5	0	1
Friends	0.5	0.5	0	1
Community	0.5	0.5	0	1
Religion	0.5	0.5	0	1
Politics	0.5	0.5	0	1
Art	0.5	0.5	0	1
Music	0.5	0.5	0	1
Reading	0.5	0.5	0	1
Travel	0.5	0.5	0	1
Volunteering	0.5	0.5	0	1
Charitable	0.5	0.5	0	1
Philanthropy	0.5	0.5	0	1
Environment	0.5	0.5	0	1
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Hiking	0.5	0.5		



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Exercise	0.3	0.5	0	1
Stress	0.4	0.5	0	1
Sleep	0.5	0.5	0	1
Work	0.5	0.5	0	1
Family	0.5	0.5	0	1
Friends	0.5	0.5	0	1
Community	0.5	0.5	0	1
Religion	0.5	0.5	0	1
Politics	0.5	0.5	0	1
Art	0.5	0.5	0	1
Music	0.5	0.5	0	1
Reading	0.5	0.5	0	1
Travel	0.5	0.5	0	1
Volunteering	0.5	0.5	0	1
Charitable	0.5	0.5	0	1
Philanthropy	0.5	0.5	0	1
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Animals	0.5	0.5	0	1
Gardening	0.5	0.5	0	1
Fishing	0.5	0.5	0	1
Hiking	0.5	0.5	0	1
Cycling	0.5	0.5	0	1
Swimming	0.5	0.5	0	1
Boating	0.5	0.5	0	1
Shopping	0.5	0.5	0	1
Eating	0.5	0.5	0	1
Drinking	0.5	0.5	0	1
Smoking	0.5	0.5	0	1
Alcohol	0.5	0.5	0	1
Exercise	0.5	0.5	0	1
Stress	0.5	0.5	0	1
Sleep	0.5	0.5	0	1
Work	0.5	0.5	0	1
Family	0.5	0.5	0	1
Friends	0.5	0.5	0	1
Community	0.5	0.5	0	1
Religion	0.5	0.5	0	1
Politics	0.5	0.5	0	1
Art	0.5	0.5	0	1
Music	0.5	0.5	0	1
Reading	0.5	0.5	0	1
Travel	0.5	0.5	0	1
Volunteering	0.5	0.5	0	1
Charitable	0.5	0.5	0	1
Philanthropy	0.5	0.5	0	1
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Animals	0.5	0.5	0	1
Gardening	0.5	0.5	0	1
Fishing	0.5	0.5	0	1
Hiking	0.5	0.5	0	1
Cycling	0.5	0.5	0	1
Swimming	0.5	0.5	0	1
Boating	0.5	0.5	0	1
Shopping	0.5	0.5	0	1
Eating	0.5	0.5	0	1
Drinking	0.5	0.5	0	1
Smoking	0.5	0.5	0	1
Alcohol	0.5	0.5	0	1
Exercise	0.5	0.5	0	1
Stress	0.5	0.5	0	1
Sleep	0.5	0.5	0	1
Work	0.5	0.5	0	1
Family	0.5	0.5	0	1
Friends	0.5	0.5	0	1
Community	0.5	0.5	0	1
Religion	0.5	0.5	0	1
Politics	0.5	0.5	0	1
Art	0.5	0.5	0	1
Music	0.5	0.5	0	1
Reading	0.5	0.5	0	1
Travel	0.5	0.5	0	1
Volunteering	0.5	0.5	0	1
Charitable	0.5	0.5	0	1
Philanthropy	0.5	0.5	0	1
Environment	0.5	0.5	0	1
Animals	0.5	0.5	0	1
Gardening	0.5	0.5	0	1
Fishing	0.5	0.5	0	1
Hiking	0.5	0.5		

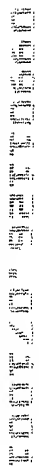


FIG.38(A)

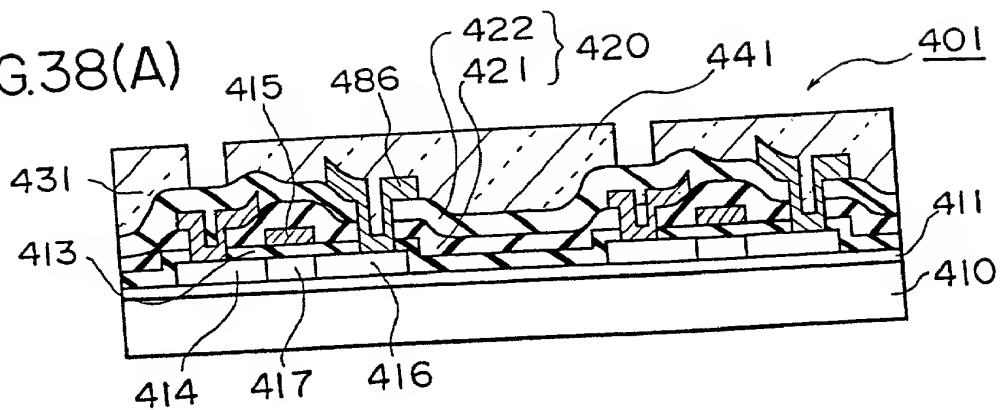


FIG.38(B)

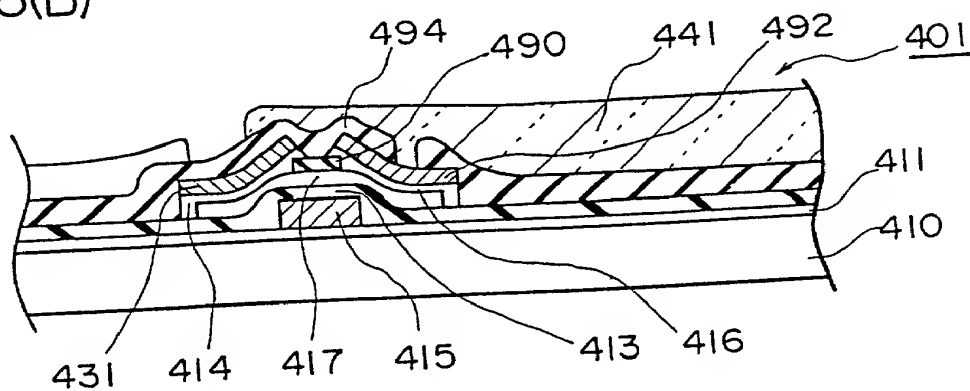


FIG.39(A)

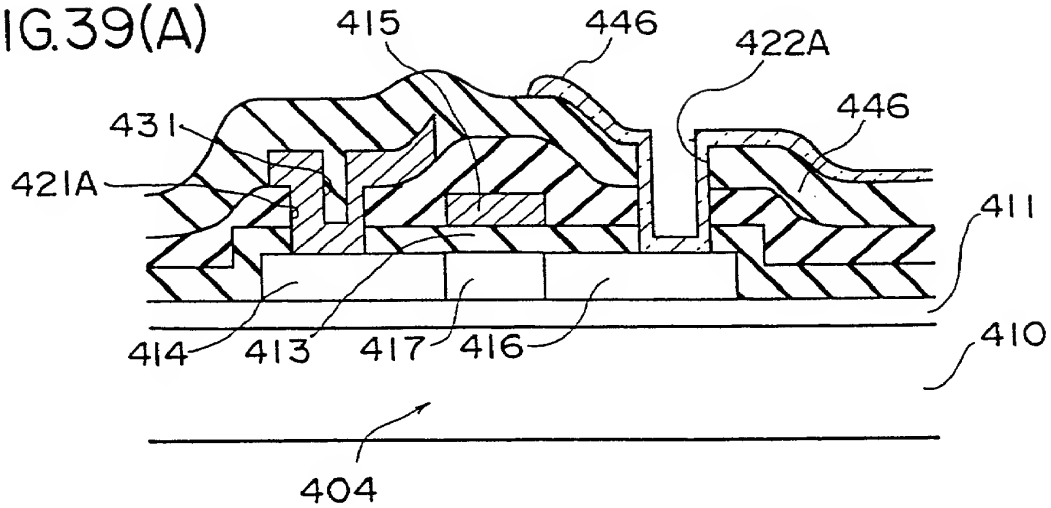


FIG.39(B)

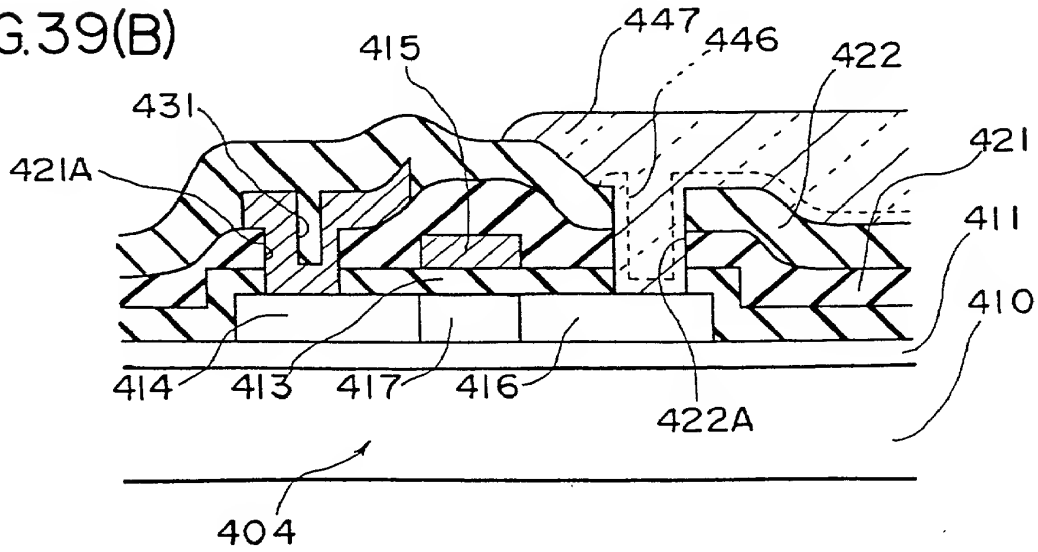
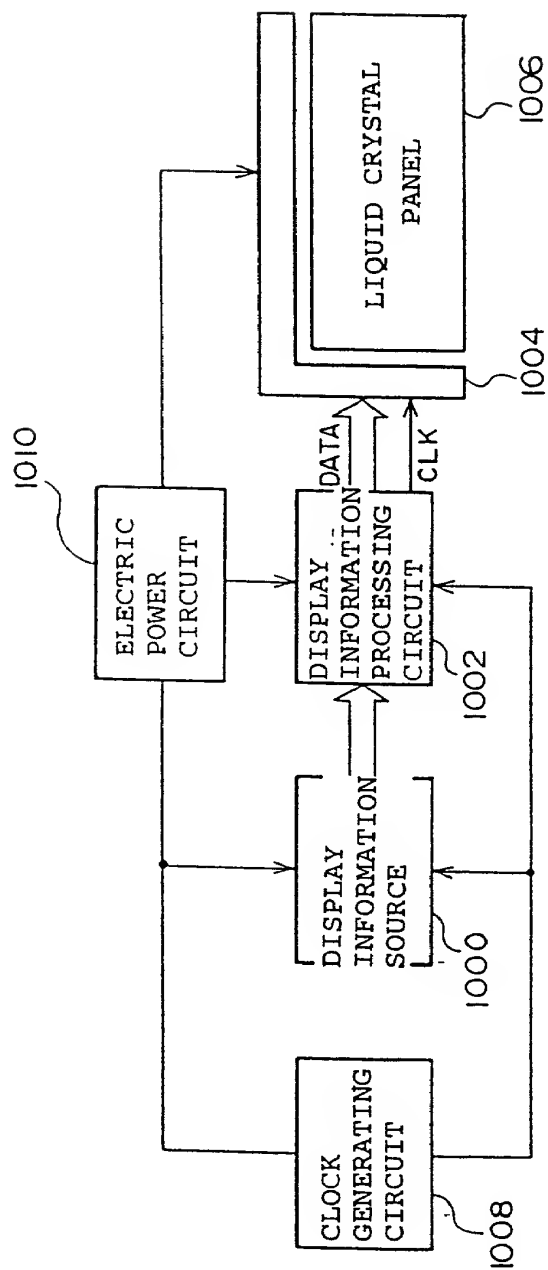


FIG. 40



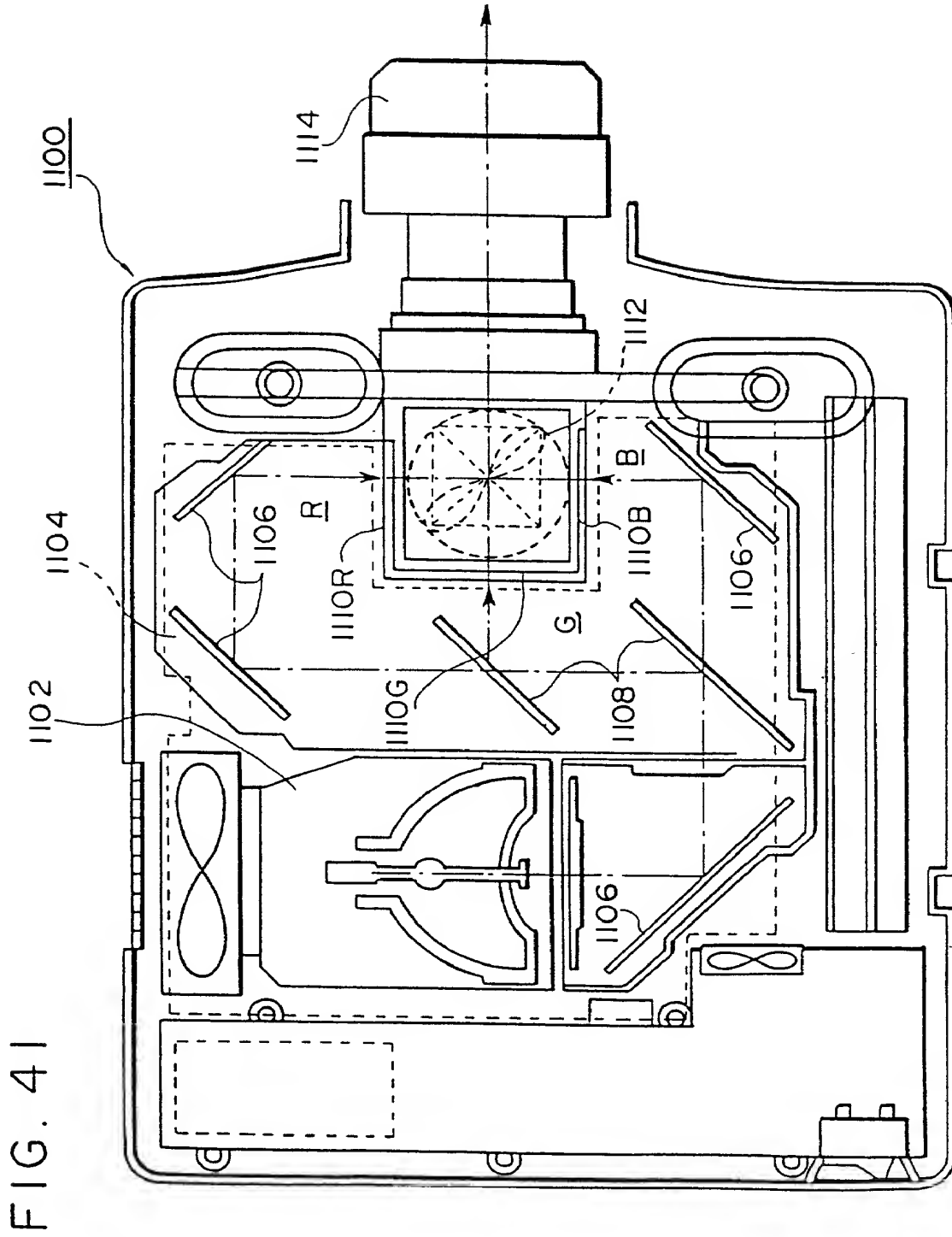


FIG. 42

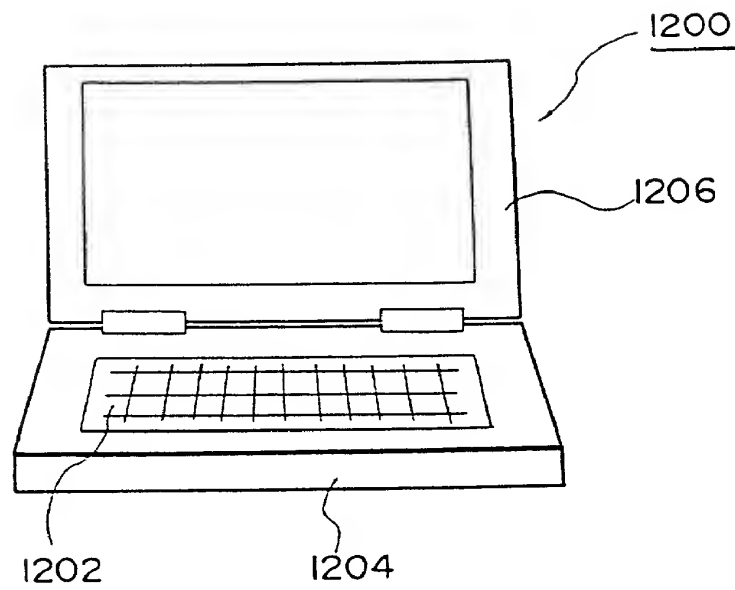


FIG. 43

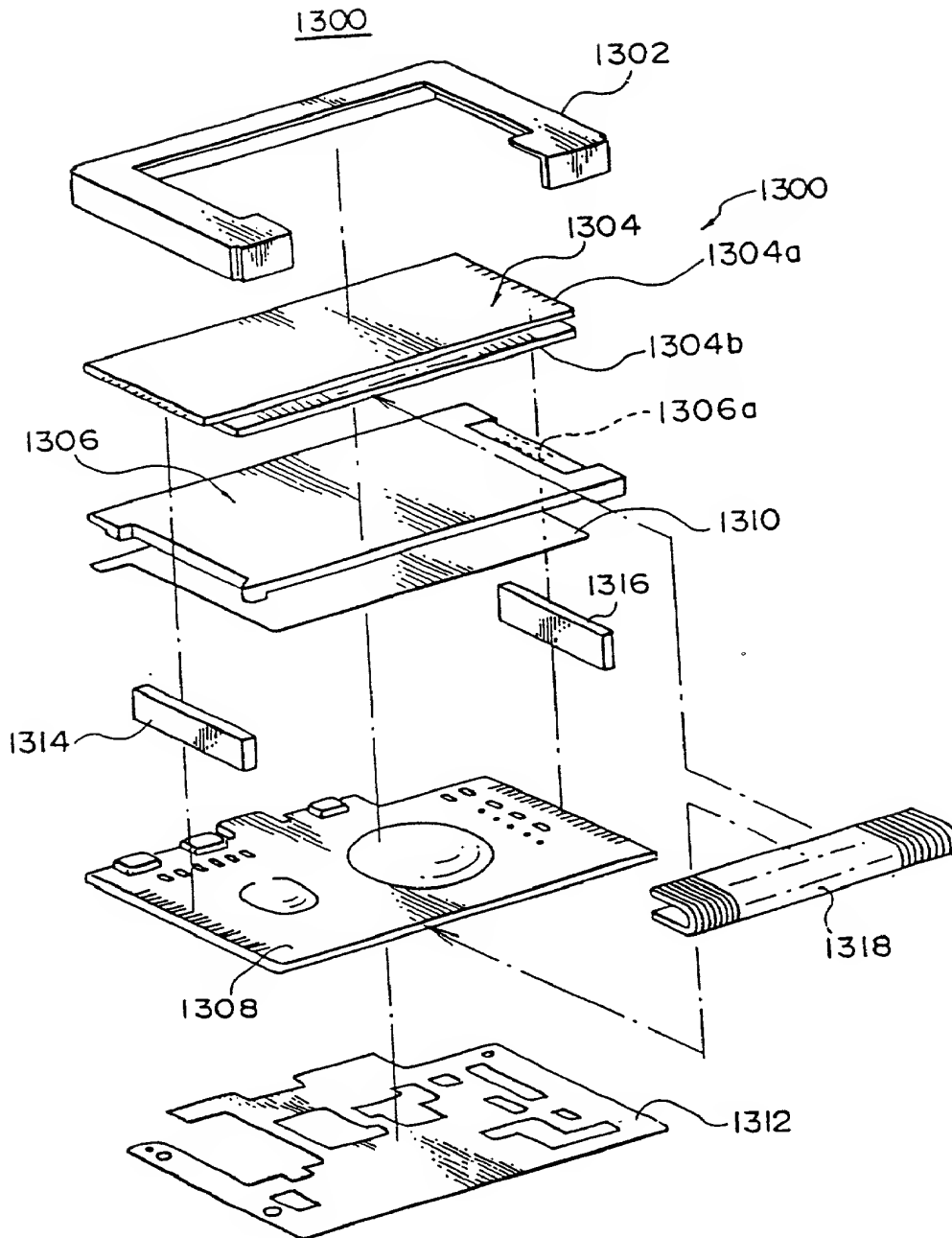


FIG. 44

